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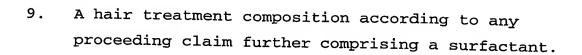
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## CLAIMS

- 1. A hair treatment composition comprising i) from 0.05 wt.% to 49 wt.% of a disaccharide; and ii) a di-acid.
- A hair treatment composition according to claim 1 in which the disaccharide has two hexose rings.
- A hair treatment composition according to any preceding
  in which the disaccharide is selected from trehalose,
  cellobiose or mixtures thereof.
  - 4. A hair treatment composition according to any preceding claim in which the disaccharide is trehalose.
  - 5. A hair treatment composition according to any preceding claim in which the di-acid has the formula:

HOOC- (CH<sub>2</sub>)<sub>n</sub>-COOH

- Where n is an integer from 2 to 8.
  - 6. A hair treatment composition according to claim 5 where n equal to 2 or 4.
- 25 7. A hair treatment composition according to any preceding claim, which further comprises a guanidinium, salt.
  - 8. A hair treatment composition according to claim 7 in which the guanidinium salt is a carbonate.



- 10. A hair treatment composition according to any preceding claim comprising an aqueous base.
  - 11. Use of a composition according to any preceding claim for smoothing hair.
- 10 12. Use of a composition according to any one of claims 1 to 9 for aligning hair.
  - 13. Use of a composition according to any one of claims 1 to 9 for preventing damage to the hair.
  - 15. A method of treating hair by applying a composition according to any one of claims 1 to 9 to the hair.

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